

ID-8, DYRK Inhibitor

Catalog	Unit
TBI4506-5MG	5 mg
TBI4506-25MG	25 mg

Product Details

Formal Name: 1-(4-Methoxyphenyl)-2-methyl-3-nitro-1H-indol-6-ol

Molecular Formula: C₁₆H₁₄N₂O₄

Formula Weight: 298.29

CAS Number: 147591-46-6

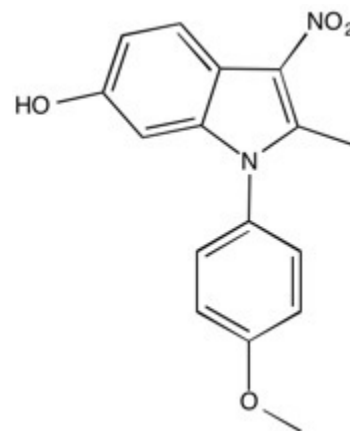
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

DYRK Inhibitor

Functions

ID-8 enhances stem cell proliferation and protects pluripotency in culture. It inhibits members of the dual-specificity tyrosine phosphorylation-regulated kinase (DYRK) and carbonic anhydrase families. Stimulates human kidney tubular epithelial cell proliferation. Shows antioxidant and antiradical properties.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.